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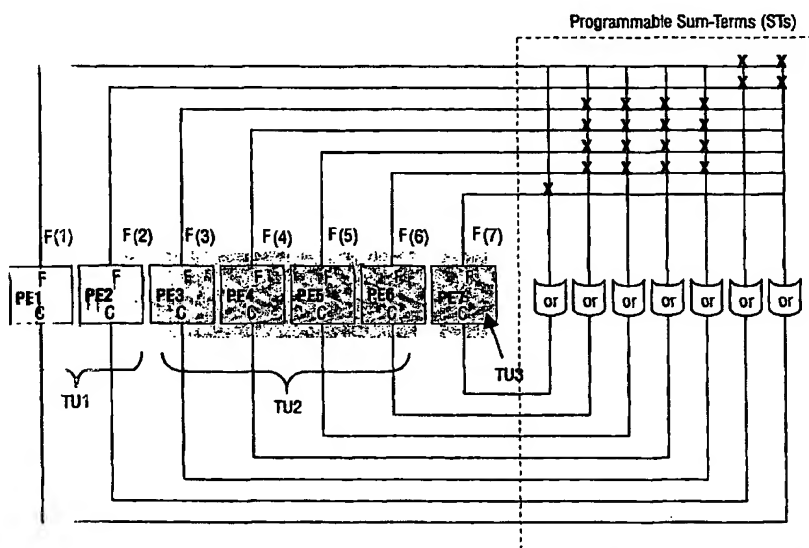
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[Continued on next page]

(54) Title: PROCESSING SYSTEM



(57) Abstract: A processing system according to the invention comprises a plurality of processing elements (PE1,...,PE7). The processing elements comprise a controller and computation means. The plurality of processing elements is dynamically reconfigurable as mutually independently operating task units (TU1, TU2, TU3), which task units comprise one processing element (PE7) or a cluster of two or more processing elements (PE3, PE4, PE5, PE6). The processing elements within a cluster are arranged to execute instructions under a common thread of program control. In this way the processing system is capable of using the same sub-set of data-path elements to exploit instruction level parallelism or task level parallelism or a combination thereof, dependent on the application.



SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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## INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

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## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/33186 A (SUN MICROSYSTEMS, INC) 8 June 2000 (2000-06-08) page 3, line 1 - page 4, line 22 page 7, line 7 - page 9, line 1; figure 3	1,5,6, 24,29
X	KECKLER S W ET AL: "Processor Coupling: Integrating Compile Time and Runtime Scheduling for Parallelism" ACM, 19 May 1992 (1992-05-19), pages 202-213, XP010324964 page 202, right-hand column, line 10 - line 36 page 203, left-hand column, line 14 - page 204, right-hand column, line 30; figures 2,3	1,2,29



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Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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